

32-8106: Recombinant Human Thioredoxin/TXN (N-6His)

Gene : TXN
Gene ID : 7295
Uniprot ID : P10599

Description

Source: E. coli.
MW :13.9kD.

Recombinant Human Thioredoxin is produced by our E.coli expression system and the target gene encoding Met1-Val105 is expressed with a 6His tag at the N-terminus. Thioredoxin (TXN) is a member of the Thioredoxin family. Thioredoxin exists as a disulfide-linked homodimer and contains one Thioredoxin domain. Thioredoxin is up-regulated by ionizing radiation. Thioredoxin participates in various redox reactions through the reversible oxidation of its active center dithiol to a disulfide and catalyzes dithiol-disulfide exchange reactions. Thioredoxin also plays a role in the reversible S-nitrosylation of cysteine residues in target proteins, and thereby contributes to the response to intracellular nitric oxide.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,PH7.2.
Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid : MGSSHHHHHHSSGLVPRGSHMKQIESKTAFQEALDAAGDKLVVDFSATWCGPCKMIKPFHSLSEKYSNVI
FLEVDVDDCQDVASECEVKCMPTFQFFKKGQKVGFEFSGANKEKLEATINELV

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.